



PCT

RE-RUN

RAW SEQUENCE LISTING DATE: 09/13/2004
 PATENT APPLICATION: US/10/010,000 TIME: 10:11:15

Input Set : A:\PF-0712-USN SEQUENCE LISTINGS.txt
 Output Set: N:\CRF4\09132004\J010000.raw

2 <110> APPLICANT: INCYTE GENOMICS, INC.
 3 BANDMAN, Olga
 4 YUE, Henry
 5 LAL, Preeti
 6 TANG, Y. Tom
 7 REDDY, Roopa
 8 BAUGHN, Mariah R.
 9 AZIMZAI, Yalda
 W--> 10 <120> TITLE OF INVENTION: RNA METABOLISM PROTEINS
 W--> 11 <130> FILE REFERENCE: PF-0712 PCT
 W--> 12 <140> CURRENT APPLICATION NUMB. R: To Be Assigned
 C--> 13 <141> CURRENT FILING DATE: 2001-12-05
 14 <150> PRIOR APPLICATION NUMBER: 60/139,922
 15 <151> PRIOR FILING DATE: 1999-06-17
 W--> 16 <160> NUMBER OF SEQ ID: 26
 17 <170> SOFTWARE: PERL Program
 W--> 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 503
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Homo sapiens
 W--> 22 <220> FEATURE:
 23 <221> NAME/KEY: misc_feature
 24 <223> OTHER INFORMATION: Incyte Clone No: 046926
 W--> 25 <400> SEQUENCE: 1
 26 Met Glu Tyr Met Ala Glu Ser Thr Asp Arg Ser Pro Gly His Ile
 27 1 5 10 15
 28 Leu Cys Cys Glu Cys Gly Val Pro Ile Ser Pro Asn Pro Ala Asn
 29 20 25 30
 30 Ile Cys Val Ala Cys Leu Arg Ser Lys Val Asp Ile Ser Gln Gly
 31 35 40 45
 32 Ile Pro Lys Gln Val Ser Ile Ser Phe Cys Lys Gln Cys Gln Arg
 33 50 55 60
 34 Tyr Phe Gln Pro Pro Gly Thr Trp Ile Gln Cys Ala Leu Glu Ser
 35 65 70 75
 36 Arg Glu Leu Leu Ala Leu Cys Leu Lys Lys Ile Lys Ala Pro Leu
 37 80 85 90
 38 Ser Lys Val Arg Leu Val Asp Ala Gly Phe Val Trp Thr Glu Pro
 39 95 100 105
 40 His Ser Lys Arg Leu Lys Val Lys Leu Thr Ile Gln Lys Glu Val
 41 110 115 120
 42 Met Asn Gly Ala Ile Leu Gln Gln Val Phe Val Val Asp Tyr Val
 43 125 130 135
 44 Val Gln Ser Gln Met Cys Gly Asp Cys His Arg Val Glu Ala Lys

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45	140	145	150
46	Asp Phe Trp Lys	Ala Val Ile Gln Val	Arg Gln Lys Thr Leu His
47		155	160
48	Lys Lys Thr Phe	Tyr Tyr Leu Glu Gln	Leu Ile Leu Lys Tyr Gly
49		170	175
50	Met His Gln Asn	Thr Leu Arg Ile Lys	Glu Ile His Asp Gly Leu
51		185	190
52	Asp Phe Tyr Tyr	Ser Ser Lys Gln His	Ala Gln Lys Met Val Glu
53		200	205
54	Phe Leu Gln Cys	Thr Val Pro Cys Arg	Tyr Lys Ala Ser Gln Arg
55		215	220
56	Leu Ile Ser Gln	Asp Ile His Ser Asn	Thr Tyr Asn Tyr Lys Ser
57		230	235
58	Thr Phe Ser Val	Glu Ile Val Pro Ile	Cys Lys Asp Asn Val Val
59		245	250
60	Cys Leu Ser Pro	Lys Leu Ala Gln Ser	Leu Gly Asn Met Asn Gln
61		260	265
62	Ile Cys Val Cys	Ile Arg Val Thr Ser	Ala Ile His Leu Ile Asp
63		275	280
64	Pro Asn Thr Leu	Gln Val Ala Asp Ile	Asp Gly Ser Thr Phe Trp
65		290	295
66	Ser His Pro Phe	Asn Ser Leu Cys His	Pro Lys Gln Leu Glu Glu
67		305	310
68	Phe Ile Val Met	Glu Cys Ser Ile Val	Gln Asp Ile Lys Arg Ala
69		320	325
70	Ala Gly Ala Gly	Met Ile Ser Lys Lys	His Thr Leu Gly Glu Val
71		335	340
72	Trp Val Gln Lys	Thr Ser Glu Met Asn	Thr Asp Lys Gln Tyr Phe
73		350	355
74	Cys Arg Thr His	Leu Gly His Leu Leu	Asn Pro Gly Asp Leu Val
75		365	370
76	Leu Gly Phe Asp	Leu Ala Asn Cys Asn	Leu Asn Asp Glu His Val
77		380	385
78	Asn Lys Met Asn	Ser Asp Arg Val Pro	Asp Val Val Leu Ile Lys
79		395	400
80	Lys Ser Tyr Asp	Arg Thr Lys Arg Gln	Arg Arg Asn Trp Lys
81		410	415
82	Leu Lys Glu Leu	Ala Arg Glu Arg Glu	Asn Met Asp Thr Asp Asp
83		425	430
84	Glu Arg Gln Tyr	Gln Asp Phe Leu Glu	Asp Leu Glu Glu Asp Glu
85		440	445
86	Ala Ile Arg Lys	Asn Val Asn Ile Tyr	Arg Asp Ser Ala Ile Pro
87		455	460
88	Val Glu Ser Asp	Thr Asp Asp Glu Gly	Ala Pro Arg Ile Ser Leu
89		470	475
90	Ala Glu Met Leu	Glu Asp Leu His Ile	Ser Gln Asp Ala Thr Gly
91		485	490
92	Glu Glu Gly Ala	Ser Met Leu Thr	
93		500	495

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94 <210> SEQ ID NO: 2
 95 <211> LENGTH: 594
 96 <212> TYPE: PRT
 97 <213> ORGANISM: Homo sapiens
 W--> 98 <220> FEATURE:
 99 <221> NAME/KEY: misc_feature
 100 <223> OTHER INFORMATION: Incyte Clone No: 618791
 W--> 101 <400> SEQUENCE: 2
 102 Met Ser Ala Gly Glu Val Glu Arg Leu Val Ser Glu Leu Ser Gly
 103 1 5 10 15
 104 Gly Thr Gly Gly Asp Glu Glu Glu Glu Trp Leu Tyr Gly Gly Pro
 105 20 25 30
 106 Trp Asp Val His Val His Ser Asp Leu Ala Lys Asp Leu Asp Glu
 107 35 40 45
 108 Asn Glu Val Glu Arg Pro Glu Glu Glu Asn Ala Ser Ala Asn Pro
 109 50 55 60
 110 Pro Ser Gly Ile Glu Asp Glu Thr Ala Glu Asn Gly Val Pro Lys
 111 65 70 75
 112 Pro Lys Val Thr Glu Thr Glu Asp Asp Ser Asp Ser Asp Ser Asp
 113 80 85 90
 114 Asp Asp Glu Asp Asp Val His Val Thr Ile Gly Asp Ile Lys Thr
 115 95 100 105
 116 Gly Ala Pro Glu Tyr Gly Ser Tyr Gly Thr Ala Pro Val Asn Leu
 117 110 115 120
 118 Asn Ile Lys Thr Gly Gly Arg Val Tyr Gly Thr Thr Gly Thr Lys
 119 125 130 135
 120 Val Lys Gly Val Asp Leu Asp Ala Pro Gly Ser Ile Asn Gly Val
 121 140 145 150
 122 Pro Leu Leu Glu Val Asp Leu Asp Ser Phe Glu Asp Lys Pro Trp
 123 155 160 165
 124 Arg Lys Pro Gly Ala Asp Leu Ser Asp Tyr Phe Asn Tyr Gly Phe
 125 170 175 180
 126 Asn Glu Asp Thr Trp Lys Ala Tyr Cys Glu Lys Gln Lys Arg Ile
 127 185 190 195
 128 Arg Met Gly Leu Glu Val Ile Pro Val Thr Ser Thr Thr Asn Lys
 129 200 205 210
 130 Ile Thr Ala Glu Asp Cys Thr Met Glu Val Thr Pro Gly Ala Glu
 131 215 220 225
 132 Ile Gln Asp Gly Arg Phe Asn Leu Phe Lys Val Gln Gln Gly Arg
 133 230 235 240
 134 Thr Gly Asn Ser Glu Lys Glu Thr Ala Leu Pro Ser Thr Lys Ala
 135 245 250 255
 136 Glu Phe Thr Ser Ile Pro Ser Leu Phe Lys Thr Gly Leu Pro Pro
 137 265 270 270
 138 Ser Arg Asn Ser Thr Ser Ser Gln Ser Gln Thr Ser Thr Ala Ser
 139 275 280 285
 140 Arg Lys Ala Asn Ser Ser Val Gly Lys Trp Gln Asp Arg Tyr Gly
 141 290 295 300
 142 Arg Ala Glu Ser Trp Asp Leu Arg Arg Leu Pro Gly Ala Ile Asp

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143	305	310	315
144	Val Ile Gly Gln Thr Ile Thr Ile Ser Arg Val Glu Gly Arg Arg		
145	320	325	330
146	Arg Ala Asn Glu Asn Ser Asn Ile Gln Val Leu Ser Glu Arg Ser		
147	330	340	345
148	Ala Thr Glu Val Asp Asn Asn Phe Ser Lys Pro Pro Pro Phe Phe		
149	345	355	360
150	Pro Pro Gly Ala Pro Pro Thr His Leu Pro Pro Pro Pro Phe Leu		
151	355	370	375
152	Pro Pro Pro Pro Thr Val Ser Thr Ala Pro Pro Leu Ile Pro Pro		
153	375	385	390
154	Pro Gly Phe Pro Pro Pro Gly Ala Pro Pro Pro Ser Leu Ile		
155	390	400	405
156	Pro Thr Ile Glu Ser Gly His Ser Ser Gly Tyr Asp Ser Arg Ser		
157	405	415	420
158	Ala Arg Ala Phe Tyr Gly Asn Val Ala Phe Pro His Leu Pro		
159	420	430	435
160	Gly Ser Ala Pro Ser Trp Pro Ser Leu Val Asp Thr Ser Lys Gln		
161	435	445	450
162	Trp Asp Tyr Tyr Ala Arg Arg Glu Lys Asp Arg Asp Arg Glu Arg		
163	450	460	465
164	Asp Arg Asp Arg Glu Arg Asp Arg Asp Arg Asp Arg Glu Arg Glu		
165	465	475	480
166	Arg Thr Arg Glu Arg Glu Arg Glu Arg Asp His Ser Pro Thr Pro		
167	480	490	495
168	Ser Val Phe Asn Ile Asp Glu Glu Arg Tyr Arg Tyr Arg Glu Tyr		
169	495	505	510
170	Ala Glu Arg Gly Tyr Glu Arg His Arg Ala Ser Arg Glu Lys Glu		
171	510	520	525
172	Glu Arg His Arg Glu Arg Arg His Arg Glu Lys Glu Glu Thr Arg		
173	525	535	540
174	His Lys Ser Ser Arg Ser Asn Ser Arg Arg Arg His Glu Ser Glu		
175	540	550	555
176	Glu Gly Asp Ser Ile Arg Arg His Lys His Lys Lys Ser Lys Arg		
177	555	565	570
178	Ser Lys Glu Gly Ile Glu Ala Gly Ser Glu Pro Ala Pro Glu Gln		
179	570	580	585
180	Glu Ser Thr Glu Ala Thr Pro Ala Glu		
181	585	590	
182	<210> SEQ ID NO: 3		
183	<211> LENGTH: 417		
184	<212> TYPE: PRT		
185	<213> ORGANISM: Homo sapiens		
W-->	186 <220> FEATURE:		
187	<221> NAME/KEY: i.c feature		
188	<223> OTHER INFO: Incyte Clone No: 1240366		
W-->	189 <400> SEQUENCE:		
190	Met Ser Glu Thr Gln Tyr Ser Ser Leu Thr Gln Thr Leu Ile Met		
191	1	5	10
			15

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192 Thr Met Lys Leu Ser Gly Phe Gly Val Ala Asp Ser Met Arg Ile
 193 20 25 30
 194 Ser Gly Cys Ser Ile Gln Lys Gln Ser Arg Ile Ile Ile Thr Asp
 195 35 40 45
 196 Arg Gln Ala Glu Pro Pro Lys Lys Glu Ala Ala Thr Thr Gly Pro
 197 50 55 60
 198 Gln Val Lys Arg Ala Asp Glu Trp Lys Asp Pro Trp Arg Arg Ser
 199 65 70 75
 200 Lys Ser Pro Lys Lys Lys Leu Gly Val Ser Val Ser Pro Ser Arg
 201 80 85 90
 202 Ala Arg Arg Arg Lys Thr Ser Ala Ser Ser Ala Ser Ala Ser
 203 95 100 105
 204 Asn Ser Ser Arg Ser Ser Ser Arg Ser Ser Tyr Ser Gly Ser
 205 110 115 120
 206 Gly Ser Ser Arg Ser Arg Ser Arg Ser Ser Tyr Ser Ser Tyr
 207 125 130 135
 208 Ser Ser Arg Ser Ser Arg His Ser Ser Phe Ser Gly Ser Arg Ser
 209 140 145 150
 210 Arg Ser Arg Ser Phe Ser Ser Ser Pro Ser Pro Ser Pro Thr Pro
 211 155 160 165
 212 Ser Pro His Arg Pro Ser Ile Arg Thr Lys Gly Glu Pro Ala Pro
 213 170 175 180
 214 Pro Pro Gly Lys Ala Gly Glu Lys Ser Val Lys Lys Pro Ala Pro
 215 185 190 195
 216 Pro Pro Ala Pro Pro Gln Ala Thr Lys Thr Thr Ala Pro Val Pro
 217 200 205 210
 218 Glu Pro Thr Lys Pro Gly Asp Pro Arg Glu Ala Arg Arg Lys Glu
 219 215 220 225
 220 Arg Pro Ala Arg Thr Pro Pro Arg Arg Arg Thr Leu Ser Gly Ser
 221 230 235 240
 222 Gly Ser Gly Ser Gly Ser Ser Tyr Ser Gly Ser Ser Ser Arg Ser
 223 245 250 255
 224 Arg Ser Leu Ser Val Ser Ser Val Ser Ser Val Ser Ser Ala Thr
 225 260 265 270
 226 Ser Ser Ser Ser Ser Ala His Ser Val Asp Ser Glu Asp Met Tyr
 227 275 280 285
 228 Ala Asp Leu Ala Ser Pro Val Ser Ser Ala Ser Ser Arg Ser Pro
 229 290 295 300
 230 Ala Pro Ala Gln Thr Arg Lys Glu Lys Gly Lys Ser Lys Lys Glu
 231 305 310 315
 232 Asp Gly Val Lys Glu Glu Lys Arg Lys Arg Asp Ser Ser Thr Gln
 233 320 325 330
 234 Pro Pro Lys Ser Ala Lys Pro Pro Ala Gly Gly Lys Ser Ser Gln
 235 335 340 345
 236 Gln Pro Ser Thr Pro Gln Gln Ala Pro Pro Gly Gln Pro Gln Gln
 237 350 355 360
 238 Gly Thr Phe Val Ala His Lys Glu Ile Lys Leu Thr Leu Leu Asn
 239 365 370 375
 240 Lys Ala Ala Asp Lys Gly Ser Arg Lys Arg Tyr Glu Pro Ser Asp

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/010,000

DATE: 09/13/2004

TIME: 10:11:16

Input File: A:\PF-0712-USN SEQUENCE LISTINGS.txt
Output File: N:\CRF4\09132004\J010000.raw

L:10 M:283 W: Missing Blank line separator, <120> field identifier
 L:11 M:283 W: Missing Blank line separator, <130> field identifier
 L:12 M:283 W: Missing Blank line separator, <140> field identifier
 L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
 L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:16 M:283 W: Missing Blank line separator, <160> field identifier
 L:18 M:283 W: Missing Blank line separator, <210> field identifier
 L:22 M:283 W: Missing Blank line separator, <220> field identifier
 L:25 M:283 W: Missing Blank line separator, <400> field identifier
 L:98 M:283 W: Missing Blank line separator, <220> field identifier
 L:101 M:283 W: Missing Blank line separator, <400> field identifier
 L:186 M:283 W: Missing Blank line separator, <220> field identifier
 L:189 M:283 W: Missing Blank line separator, <400> field identifier
 L:250 M:283 W: Missing Blank line separator, <220> field identifier
 L:253 M:283 W: Missing Blank line separator, <400> field identifier
 L:288 M:283 W: Missing Blank line separator, <220> field identifier
 L:291 M:283 W: Missing Blank line separator, <400> field identifier
 L:382 M:283 W: Missing Blank line separator, <220> field identifier
 L:385 M:283 W: Missing Blank line separator, <400> field identifier
 L:411 M:283 W: Missing Blank line separator, <220> field identifier
 L:414 M:283 W: Missing Blank line separator, <400> field identifier
 L:445 M:283 W: Missing Blank line separator, <220> field identifier
 L:448 M:283 W: Missing Blank line separator, <400> field identifier
 L:537 M:283 W: Missing Blank line separator, <220> field identifier
 L:540 M:283 W: Missing Blank line separator, <400> field identifier
 L:605 M:283 W: Missing Blank line separator, <220> field identifier
 L:608 M:283 W: Missing Blank line separator, <400> field identifier
 L:651 M:283 W: Missing Blank line separator, <220> field identifier
 L:654 M:283 W: Missing Blank line separator, <400> field identifier
 L:677 M:283 W: Missing Blank line separator, <400> field identifier
 L:680 M:283 W: Missing Blank line separator, <400> field identifier
 L:716 M:283 W: Missing Blank line separator, <220> field identifier
 L:719 M:283 W: Missing Blank line separator, <400> field identifier
 L:764 M:283 W: Missing Blank line separator, <220> field identifier
 L:767 M:283 W: Missing Blank line separator, <400> field identifier
 L:811 M:283 W: Missing Blank line separator, <220> field identifier
 L:814 M:283 W: Missing Blank line separator, <400> field identifier
 L:855 M:283 W: Missing Blank line separator, <220> field identifier
 L:858 M:283 W: Missing Blank line separator, <400> field identifier
 L:886 M:283 W: Missing Blank line separator, <220> field identifier
 L:889 M:283 W: Missing Blank line separator, <400> field identifier
 L:917 M:283 W: Missing Blank line separator, <220> field identifier
 L:920 M:283 W: Missing Blank line separator, <400> field identifier
 L:971 M:283 W: Missing Blank line separator, <220> field identifier
 L:974 M:283 W: Missing Blank line separator, <400> field identifier
 L:991 M:283 W: Missing Blank line separator, <220> field identifier
 L:994 M:283 W: Missing Blank line separator, <400> field identifier
 L:1015 M:283 W: Missing Blank line separator, <220> field identifier

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Input S.: A:\PF-0712-USN SEQUENCE LISTINGS.txt
Output S.: N:\CRF4\09132004\J010000.raw

L:1018 M:283 W: Missing Blank Line separator, <400> field identifier
L:1064 M:283 W: Missing Blank Line separator, <220> field identifier
L:1067 M:283 W: Missing Blank Line separator, <400> field identifier
L:1102 M:283 W: Missing Blank Line separator, <220> field identifier

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